

Attorney Docket No.: LUKP:123US
U.S. Patent Application No. 10/711,823
Reply to Office Action of November 27, 2007
Dated: January 23, 2008

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A gearbox actuator comprising:

a gearbox actuator housing;

a drive unit;

a single selector shaft; and,

a bearing arrangement operatively arranged to support gearshift rails;

wherein said single selector shaft comprises a shift finger and disengaging elements, said single selector shaft is driven by said drive unit and is arranged in said gearbox actuator housing, and said shift finger and disengaging elements are arranged to operate the gearshift rails, ~~and~~ wherein said bearing arrangement comprises protruding rods that support the gearshift rails, and wherein the protruding rods include first and second upper protruding rods and first and second lower protruding rods, said first and second upper protruding rods arranged opposite each other with respect to the selector shaft, and said first and second lower protruding rods arranged opposite each other with respect to the selector shaft

Claim 2 (Cancelled)

Claim 3 (Previously Presented): The gearbox actuator according to Claim 1, wherein the gearbox actuator housing comprises an attachment part operatively arranged to be attached to a gear housing of a gearbox where said protruding rods protrude through an opening or recess in the gear housing into the gear housing.

Claim 4 (Previously Presented): The gearbox actuator according to Claim 1, wherein the attachment part and the protruding rods are manufactured as an injection molded part.

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Claim 5 (Cancelled)

Claim 6 (Previously Presented): The gearbox actuator according to Claim 1, wherein two protruding rods are provided.

Claim 7 (Currently Amended): ~~The gearbox actuator according to Claim 1, further comprising~~

A gearbox actuator comprising:

a gearbox actuator housing;

a drive unit;

a single selector shaft; and,

a bearing arrangement operatively arranged to support gearshift rails;

wherein said single selector shaft comprises a shift finger and disengaging elements, said single selector shaft is driven by said drive unit and is arranged in said gearbox actuator housing, and said shift finger and disengaging elements are arranged to operate the gearshift rails, wherein said bearing arrangement comprises protruding rods that support the gearshift rails, and wherein the protruding rods include first and second upper protruding rods and first and second lower protruding rods, said first and second upper protruding rods arranged symmetrically opposite each other with respect to the selector shaft, and said first and second lower protruding rods arranged symmetrically opposite each other with respect to the selector shaft.

Claim 8 (Currently Amended): ~~The gearbox actuator according to Claim 1,~~

A gearbox actuator comprising:

a gearbox actuator housing;

a drive unit;

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a single selector shaft; and,

a bearing arrangement operatively arranged to support gearshift rails;

wherein said single selector shaft comprises a shift finger and disengaging elements, said single selector shaft is driven by said drive unit and is arranged in said gearbox actuator housing, and said shift finger and disengaging elements are arranged to operate the gearshift rails, wherein said bearing arrangement comprises protruding rods that support the gearshift rails, and wherein the protruding rods have guide shoe parts at their ends resting against the gearshift rails.

Claim 9 (Previously Presented): The gearbox actuator according to Claim 1, wherein the housing, the bearing arrangement for the selector shaft and the protruding rods are made as an injection molded part.